COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 70 (1988) 373–374
NORTH-HOLLAND

AUTHOR INDEX OF VOLUME 70*

Achenbach, J.D., G.E. Kechter and Y.-L. Xu, Off-boundary approach to the boundary element methods (2) 191–201
Adamík, V., see Matejovič, P. (3) 301–320
Antoniadis, I. and A. Kanarachos, Decoupling procedures for fluid-structure interaction problems (1) 1–25

Barragy, E. and G.F. Carey, A partitioning scheme and iterative solution for sparse bordered systems (3) 321–327
Belytschko, T., J. Fish and B.E. Engelman, A finite element with embedded localization zones (1) 59–89

Carey, G.F., see Barragy, E. (3) 321–327

Dawson, P.R., see Eggert, G.M. (2) 165–190
Devloo, Ph., J.T. Oden and P. Pattani, An *h-p* adaptive finite element method for the numerical simulation of compressible flow (2) 203–235

Eggert, G.M. and P.R. Dawson, A viscoplastic formulation with elasticity for transient metal forming (2) 165–190
Engelman, B.E., see Belytschko, T. (1) 59–89

Farshad, M., see Tabarrok, B. (3) 275–299
Fauchon, D., P.A. Tanguy and R.E. Hayes, A finite element computation of moderate Reynolds fluid flow using a modified Marquardt method (2) 139–149
Fish, J., see Belytschko, T. (1) 59–89

Greenberg, J.B., Y. Stavski and M. Sabag, Eigenfrequencies of anisotropic composite shells of revolution having nonuniform supports (1) 91–102

Haftka, R.T., see Shin, Y.S. (2) 151–164
Hayes, R.E., see Fauchon, D. (2) 139–149

Kanarachos, A., see Antoniadis, I. (1) 1–25
Karageorghis, A., Chebyshev spectral methods for solving two-point boundary value problems arising in heat transfer (1) 103–121
Kechter, G.E., see Achenbach, J.D. (2) 191–201

* The issue number is given in front of the page numbers.

Li, Z.H., see Owen, D.R.J. (3) 349 – 365

Malone, J.G., Automated mesh decomposition and concurrent finite element analysis for hypercube multiprocessor computers (1) 27 – 58
Matejovič, P. and V. Adamík, A one-point integration quadrilateral with hourglass control in axisymmetric geometry (3) 301 – 320
Miehe, C., see Wriggers, P. (3) 329 – 347

Oden, J.T., see Devloo, Ph. (2) 203 – 235
Owen, D.R.J. and Z.H. Li, Elastic-plastic dynamic analysis of anisotropic laminated plates (3) 349 – 365

Pattani, P., see Devloo, Ph. (2) 203 – 235
Plaut, R.H., see Shin, Y.S. (2) 151 – 164

Sabag, M., see Greenberg, J.B. (1) 91 – 102
Shin, Y.S., R.T. Haftka, L.T. Watson and R.H. Plaut, Tracing structural optima as a function of available resources by a homotopy method (2) 151 – 164
Silling, S.A., Finite difference modeling of phase changes and localization in elasticity (3) 251 – 273
Stavski, Y., see Greenberg, J.B. (1) 91 – 102

Tabarrok, B., M. Farshad and H. Yi, Finite element formulation of spatially curved and twisted rods (3) 275 – 299
Tanguy, P.A., see Fauchon, D. (2) 139 – 149

Wagner, W., see Wriggers, P. (3) 329 – 347
Watson, L.T., see Shin, Y.S. (2) 151 – 164
Wriggers, P., W. Wagner and C. Miehe, A quadratically convergent procedure for the calculation of stability points in finite element analysis (3) 329 – 347

Xu, Y.-L., see Achenbach, J.D. (2) 191 – 201

Yi, H., see Tabarrok, B. (3) 275 – 299

COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 70 (1988) 375–378
NORTH-HOLLAND

SUBJECT INDEX OF VOLUME 70*

Boundary element methods

Off-boundary approach to the boundary element method, J.D. Achenbach, G.E. Kechter and Y.-L. Xu (2) 191–201

Collocation method

Chebyshev spectral methods for solving two-point boundary value problems arising in heat transfer, A. Karageorghis (1) 103–121

Coupled problems

Decoupling procedures for fluid-structure interaction problems, I. Antoniadis and A. Kanarachos (1) 1–25

Dynamics

Decoupling procedures for fluid-structure interaction problems, I. Antoniadis and A. Kanarachos (1) 1–25
Eigenfrequencies of anisotropic composite shells of revolution having nonuniform supports, J.B. Greenberg, Y. Stavski and M. Sabag (1) 91–102
A one-point integration quadrilateral with hourglass control in axisymmetric geometry, P. Matejovič and V. Adamík (3) 301–320
Elastic-plastic dynamic analysis of anisotropic laminated plates, D.R.J. Owen and Z.H. Li (3) 349–365

Elasticity

Eigenfrequencies of anisotropic composite shells of revolution having nonuniform supports, J.B. Greenberg, Y. Stavski and M. Sabag (1) 91–102
A viscoplastic formulation with elasticity for transient metal forming, G.M. Eggert and P.R. Dawson (2) 165–190
Off-boundary approach to the boundary element method, J.D. Achenbach, G.E. Kechter and Y.-L. Xu (2) 191–201
Finite difference modeling of phase changes and localization in elasticity, S.A. Silling (3) 251–273

* The issue number is given in front of the page numbers.

Finite element formulation of spatially curved and twisted rods, B. Tabarrok, M. Farshad and H. Yi (3) 275 – 299
A one-point integration quadrilateral with hourglass control in axisymmetric geometry, P. Matejovič and V. Adamík (3) 301 – 320

Finite difference methods

Finite difference modeling of phase changes and localization in elasticity, S.A. Silling (3) 251 – 273
A partitioning scheme and iterative solution for sparse bordered systems, E. Barragy and G.F. Carey (3) 321 – 327

Finite element and matrix methods

Decoupling procedures for fluid-structure interaction problems, I. Antoniadis and A. Kanarachos (1) 1 – 25
Automated mesh decomposition and concurrent finite element analysis for hypercube multiprocessor computers, J.G. Malone (1) 27 – 58
A finite element with embedded localization zones, T. Belytschko, J. Fish and B.E. Engelmann (1) 59 – 89
A finite element computation of moderate Reynolds fluid flow using a modified Marquardt method, D. Fauchon, P.A. Tanguy and R.E. Hayes (2) 139 – 149
An *h-p* adaptive finite element method for the numerical simulation of compressible flow, Ph. Devloo, J.T. Oden and P. Pattani (2) 203 – 235
Finite element formulation of spatially curved and twisted rods, B. Tabarrok, M. Farshad and H. Yi (3) 275 – 299
A one-point integration quadrilateral with hourglass control in axisymmetric geometry, P. Matejovič and V. Adamík (3) 301 – 320
A partitioning scheme and iterative solution for sparse bordered systems, E. Barragy and G.F. Carey (3) 321 – 327
A quadratically convergent procedure for the calculation of stability points in finite element analysis, P. Wriggers, W. Wagner and C. Miehe (3) 329 – 347
Elastic-plastic dynamic analysis of anisotropic laminated plates, D.R.J. Owen and Z.H. Li (3) 349 – 365

Fluid mechanics

Decoupling procedures for fluid-structure interaction problems, I. Antoniadis and A. Kanarachos (1) 1 – 25
A finite element computation of moderate Reynolds fluid flow using a modified Marquardt method, D. Fauchon, P.A. Tanguy and R.E. Hayes (2) 139 – 149
An *h-p* adaptive finite element method for the numerical simulation of compressible flow, Ph. Devloo, J.T. Oden and P. Pattani (2) 203 – 235

General Rayleigh – Ritz and Galerkin techniques

Chebyshev spectral methods for solving two-point boundary value problems arising in heat transfer, A. Karageorghis (1) 103 – 121

Heat and diffusion

Chebyshev spectral methods for solving two-point boundary value problems arising in heat transfer, A. Karageorghis (1) 103 – 121

Incompressible and near incompressible media

A finite element computation of moderate Reynolds fluid flow using a modified Marquardt method, D. Fauchon, P.A. Tanguy and R.E. Hayes (2) 139 – 149

Nonlinear mechanics

A finite element with embedded localization zones, T. Belytschko, J. Fish and B.E. Engelmann (1) 59 – 89
A viscoplastic formulation with elasticity for transient metal forming, G.M. Eggert and P.R. Dawson (2) 165 – 190
A partitioning scheme and iterative solution for sparse bordered systems, E. Barragy and G.F. Carey (3) 321 – 327

Numerical solution procedures

Automated mesh decomposition and concurrent finite element analysis for hypercube multiprocessor computers, J.G. Malone (1) 27 – 58
An *h-p* adaptive finite element method for the numerical simulation of compressible flow, Ph. Devloo, J.T. Oden and P. Pattani (2) 203 – 235
A partitioning scheme and iterative solution for sparse bordered systems, E. Barragy and G.F. Carey (3) 321 – 327
A quadratically convergent procedure for the calculation of stability points in finite element analysis, P. Wriggers, W. Wagner and C. Miehe (3) 329 – 347

Optimization and design of structures

Tracing structural optima as a function of available resources by a homotopy method, Y.S. Shin, R.T. Haftka, L.T. Watson and R.H. Plaut (2) 151 – 164

Plasticity

A finite element with embedded localization zones, T. Belytschko, J. Fish and B.E. Engelmann (1) 59 – 89
Elastic-plastic dynamic analysis of anisotropic laminated plates, D.R.J. Owen and Z.H. Li (3) 349 – 365

Shells and plates

Elastic-plastic dynamic analysis of anisotropic laminated plates, D.R.J. Owen and Z.H. Li (3) 349 – 365

Solutions of differential equations

Eigenfrequencies of anisotropic composite shells of revolution having nonuniform supports, J.B. Greenberg, Y. Stavsky and M. Sabag (1) 91 – 102

Solutions of integral equations (singularity method)

Off-boundary approach to the boundary element method, J.D. Achenbach, G.E. Kechter and Y.-L. Xu (2) 191 – 201

Stability in structural mechanics

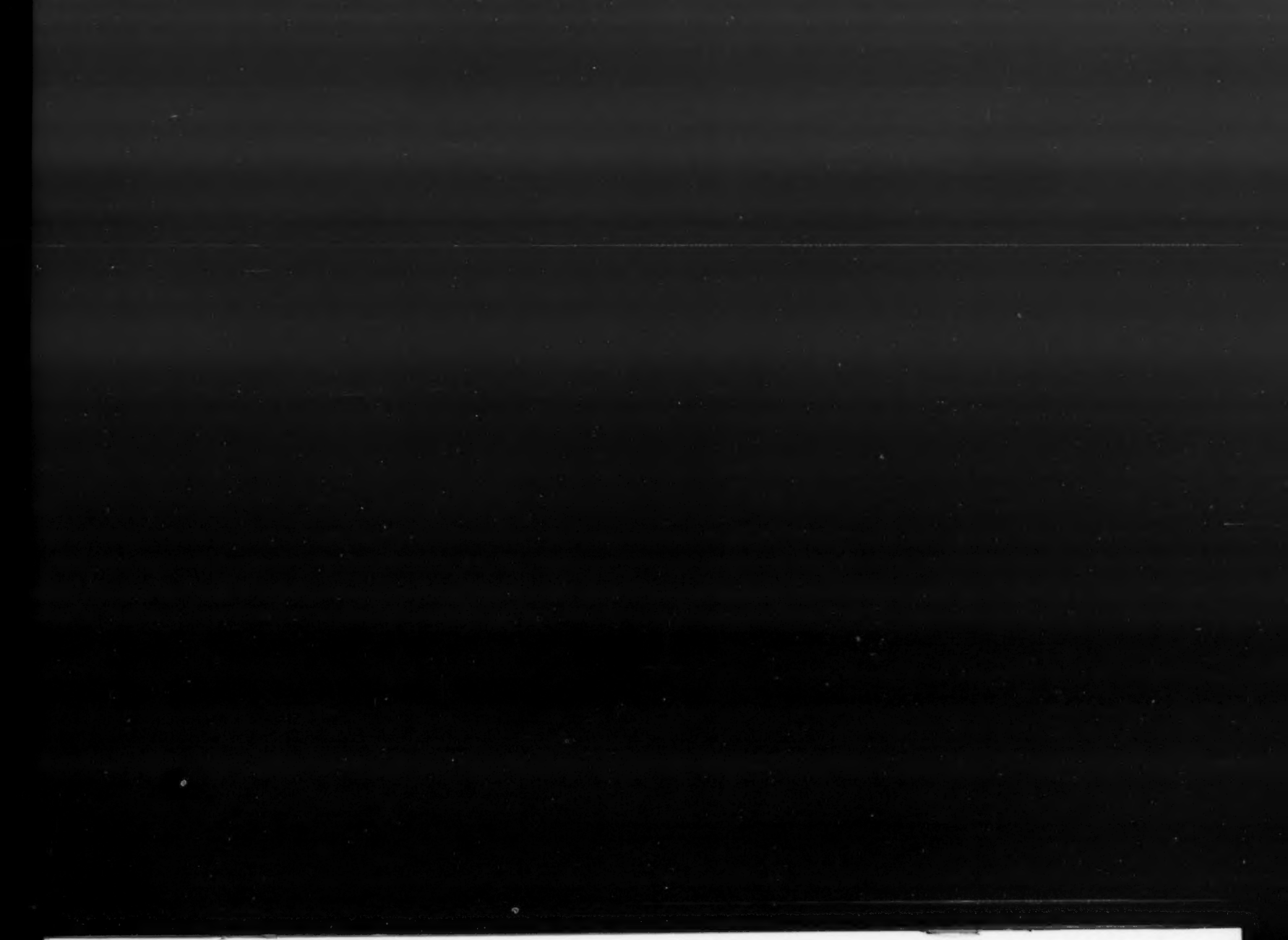
A quadratically convergent procedure for the calculation of stability points in finite element analysis, P. Wriggers, W. Wagner and C. Miehe (3) 329 – 347

Structural mechanics

Decoupling procedures for fluid-structure interaction problems, I. Antoniadis and A. Kanarachos (1) 1 – 25
A finite element with embedded localization zones, T. Belytschko, J. Fish and B.E. Engelmann (1) 59 – 89
Tracing structural optima as a function of available resources by a homotopy method, Y.S. Shin, R.T. Haftka, L.T. Watson and R.H. Plaut (2) 151 – 164
A viscoplastic formulation with elasticity for transient metal forming, G.M. Eggert and P.R. Dawson (2) 165 – 190
Finite element formulation of spatially curved and twisted rods, B. Tabarrok, M. Farshad and H. Yi (3) 275 – 299
A one-point integration quadrilateral with hourglass control in axisymmetric geometry, P. Matejovič and V. Adamík (3) 301 – 320

Viscoelastic and viscoplastic media

A viscoplastic formulation with elasticity for transient metal forming, G.M. Eggert and P.R. Dawson (2) 165 – 190

Viscous flow

A finite element computation of moderate Reynolds fluid flow using a modified Marquardt method, D. Fauchon, P.A. Tanguy and R.E. Hayes (2) 139 – 149
An *h-p* adaptive finite element method for the numerical simulation of compressible flow, Ph. Devloo, J.T. Oden and P. Pattani (2) 203 – 235